United States Patent and Trademark
Scientific and Technical Information Center
Biotechnology Systems Branch

FAX TRANSMISSION COVER SHEET

DATE: _8/25/2006_   Total Number of Pages Faxed: _9_

TO:

NAME: _Becares Rafael D_

ORG.: _PCT_

FAX NUMBER: _571-273-0459_

FROM: Mark Spencer
Voice Ph. Number: (571)272-2510
FAX Ph. Number: (571)273-0221

Message:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

A DOCPHOENIX

INTERNAL SEQUENCE DOCUMENT INDEX SHEET

STIC INTERNAL

___CRFD___
Computer Readable Form Defective

___/CRFE___
Computer Readable Form "ENTERED"

TC INTERNAL

___SEQREQ___
Sequence Problem Att. From Exr.

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/530,951

Source: _____ JFWP

Date Processed by STIC: _____ 08/25/2006

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 08/25/2006
PATENT APPLICATION: US/10/530,951   TIME: 14:42:24

Input Set : A:\sequence listing ascii.txt
Output Set: N:\CRF4\08252006\J530951.raw

```
  3 <110> APPLICANT: Hariharan, Kandasamy
  4          Daniels, Mark
  5          McLachlan, Karen
  7 <120> TITLE OF INVENTION: GENES OVEREXPRESSED BY OVARIAN CANCER AND THEIR USE IN
DEVELOPING NOVEL
  8          THERAPEUTICS
 10 <130> FILE REFERENCE: 2159.0620008/EKS/J-H
 12 <140> CURRENT APPLICATION NUMBER: 10/530,951
 13 <141> CURRENT FILING DATE: 2005-04-07
 15 <150> PRIOR APPLICATION NUMBER: PCT/US03/18253
 16 <151> PRIOR FILING DATE: 2003-06-10
 18 <150> PRIOR APPLICATION NUMBER: 60/386,748
 19 <151> PRIOR FILING DATE: 2002-06-10
 21 <150> PRIOR APPLICATION NUMBER: 60/396,141
 22 <151> PRIOR FILING DATE: 2002-07-17
 24 <150> PRIOR APPLICATION NUMBER: 60/405,319
 25 <151> PRIOR FILING DATE: 2002-08-23
 27 <150> PRIOR APPLICATION NUMBER: 60/428,274
 28 <151> PRIOR FILING DATE: 2002-11-22
 30 <160> NUMBER OF SEQ ID NOS: 102
 32 <170> SOFTWARE: PatentIn version 3.3
 34 <210> SEQ ID NO: 1
 35 <211> LENGTH: 473
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Homo sapiens
 39 <400> SEQUENCE: 1
 40 gatgttgaaa taatcttttt atttgtccgt cctctaagct cccaaggaaa ttgaaaatac    60
 42 ccgaatactg ggttaatcca agttttttact attcatgtaa tttttaaaaa taggtaaaag   120
 44 ctagtttttat accagccctc gaaagttgta gagcagctgt atctggtagg aagaatccgt   180
 46 actcaatgaa aatgtcggtg cagacagaac aggcttcagt agatgtttat agatgttttc    240
 48 acatgttaca aattaaagta tattcatctc cagtgcacaa agactaattc tgtattgaag    300
 50 agtccctcag ctgctagggt gaccagcagc ccaggcctga gggctttcct ggaacctgaa    360
 52 actttcaatg ctaaaactag gacagtccca ggccaaccag gatggttggt cattcttcta    420
 54 gttgctgaga ttttgaaatc aatatttagt gttcattcta ctgttattgg aat           473
 57 <210> SEQ ID NO: 2
 58 <211> LENGTH: 2992
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Homo sapiens
 63 <220> FEATURE:
 64 <221> NAME/KEY: misc_feature
 65 <223> OTHER INFORMATION: n is a, c, g, or t
 67 <220> FEATURE:
 68 <221> NAME/KEY: misc_feature
 69 <222> LOCATION: (637)..(637)
```

RAW SEQUENCE LISTING   DATE: 08/25/2006
PATENT APPLICATION: US/10/530,951   TIME: 14:42:24

Input Set : A:\sequence listing ascii.txt
Output Set: N:\CRF4\08252006\J530951.raw

```
 70 <223> OTHER INFORMATION: n is a, c, g, or t
 72 <220> FEATURE:
 73 <221> NAME/KEY: misc_feature
 74 <222> LOCATION: (1192)..(1192)
 75 <223> OTHER INFORMATION: n is a, c, g, or t
 77 <220> FEATURE:
 78 <221> NAME/KEY: misc_feature
 79 <222> LOCATION: (1399)..(1399)
 80 <223> OTHER INFORMATION: n is a, c, g, or t
 82 <220> FEATURE:
 83 <221> NAME/KEY: misc_feature
 84 <222> LOCATION: (1436)..(1437)
 85 <223> OTHER INFORMATION: n is a, c, g, or t
 87 <220> FEATURE:
 88 <221> NAME/KEY: misc_feature
 89 <222> LOCATION: (1447)..(1447)
 90 <223> OTHER INFORMATION: n is a, c, g, or t
 92 <220> FEATURE:
 93 <221> NAME/KEY: misc_feature
 94 <222> LOCATION: (1453)..(1453)
 95 <223> OTHER INFORMATION: n is a, c, g, or t
 97 <220> FEATURE:
 98 <221> NAME/KEY: misc_feature
 99 <222> LOCATION: (1460)..(1460)
100 <223> OTHER INFORMATION: n is a, c, g, or t
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: (1471)..(1520)
105 <223> OTHER INFORMATION: n is a, c, g, or t
107 <220> FEATURE:
108 <221> NAME/KEY: misc_feature
109 <222> LOCATION: (1522)..(1522)
110 <223> OTHER INFORMATION: n is a, c, g, or t
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: (1529)..(1531)
115 <223> OTHER INFORMATION: n is a, c, g, or t
117 <220> FEATURE:
118 <221> NAME/KEY: misc_feature
119 <222> LOCATION: (1534)..(1534)
120 <223> OTHER INFORMATION: n is a, c, g, or t
122 <220> FEATURE:
123 <221> NAME/KEY: misc_feature
124 <222> LOCATION: (1546)..(1546)
125 <223> OTHER INFORMATION: n is a, c, g, or t
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (1549)..(1549)
130 <223> OTHER INFORMATION: n is a, c, g, or t
```

RAW SEQUENCE LISTING   DATE: 08/25/2006
PATENT APPLICATION: US/10/530,951   TIME: 14:42:24

Input Set : A:\sequence listing ascii.txt
Output Set: N:\CRF4\08252006\J530951.raw

```
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <222> LOCATION: (1562)..(1562)
135 <223> OTHER INFORMATION: n is a, c, g, or t
137 <220> FEATURE:
138 <221> NAME/KEY: misc_feature
139 <222> LOCATION: (1564)..(1564)
140 <223> OTHER INFORMATION: n is a, c, g, or t
142 <220> FEATURE:
143 <221> NAME/KEY: misc_feature
144 <222> LOCATION: (1567)..(1568)
145 <223> OTHER INFORMATION: n is a, c, g, or t
147 <220> FEATURE:
148 <221> NAME/KEY: misc_feature
149 <222> LOCATION: (1574)..(1575)
150 <223> OTHER INFORMATION: n is a, c, g, or t
152 <220> FEATURE:
153 <221> NAME/KEY: misc_feature
154 <222> LOCATION: (1577)..(1577)
155 <223> OTHER INFORMATION: n is a, c, g, or t
157 <220> FEATURE:
158 <221> NAME/KEY: misc_feature
159 <222> LOCATION: (1582)..(1582)
160 <223> OTHER INFORMATION: n is a, c, g, or t
162 <220> FEATURE:
163 <221> NAME/KEY: misc_feature
164 <222> LOCATION: (1588)..(1588)
165 <223> OTHER INFORMATION: n is a, c, g, or t
167 <220> FEATURE:
168 <221> NAME/KEY: misc_feature
169 <222> LOCATION: (1598)..(1598)
170 <223> OTHER INFORMATION: n is a, c, g, or t
172 <220> FEATURE:
173 <221> NAME/KEY: misc_feature
174 <222> LOCATION: (1600)..(1601)
175 <223> OTHER INFORMATION: n is a, c, g, or t
177 <220> FEATURE:
178 <221> NAME/KEY: misc_feature
179 <222> LOCATION: (1604)..(1604)
180 <223> OTHER INFORMATION: n is a, c, g, or t
182 <220> FEATURE:
183 <221> NAME/KEY: misc_feature
184 <222> LOCATION: (1606)..(1606)
185 <223> OTHER INFORMATION: n is a, c, g, or t
187 <220> FEATURE:
188 <221> NAME/KEY: misc_feature
189 <222> LOCATION: (1608)..(1608)
190 <223> OTHER INFORMATION: n is a, c, g, or t
192 <220> FEATURE:
```

RAW SEQUENCE LISTING   DATE: 08/25/2006
PATENT APPLICATION: US/10/530,951   TIME: 14:42:24

Input Set : A:\sequence listing ascii.txt
Output Set: N:\CRF4\08252006\J530951.raw

```
193 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (1612)..(1612)
195 <223> OTHER INFORMATION: n is a, c, g, or t
197 <220> FEATURE:
198 <221> NAME/KEY: misc_feature
199 <222> LOCATION: (1623)..(1623)
200 <223> OTHER INFORMATION: n is a, c, g, or t
202 <220> FEATURE:
203 <221> NAME/KEY: misc_feature
204 <222> LOCATION: (1625)..(1625)
205 <223> OTHER INFORMATION: n is a, c, g, or t
207 <220> FEATURE:
208 <221> NAME/KEY: misc_feature
209 <222> LOCATION: (1640)..(1641)
210 <223> OTHER INFORMATION: n is a, c, g, or t
212 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
214 <222> LOCATION: (1649)..(1649)
215 <223> OTHER INFORMATION: n is a, c, g, or t
217 <400> SEQUENCE: 2
218 caaaaggtga aacataaggc acaaagccac tttgtgctta atctcagtaa accagccaga     60
220 gccagtcagt ggttggtggt cagttatcag gacaggacgg aattctttgt caggccgctc    120
222 agttttcatg gtgaacctgt gataagggag tggagtctgg ccacggtgtc aggtgatctg    180
224 ctgaagtcca tggaaggatc ttccagtctt tgtttttcag atattggttt ctgtttatct    240
226 cttagaaagt ctggtaataa cacaaagagg gggtactgag gcatatctaa cctcctatct    300
228 catcaaagcc agggaaactt aaagtttttc tgggtgatct gggccaagag gggtccattc    360
230 agtctgtcag aggcatcaga tttcattctg gttccacagg ggactccaga acgtgattcc    420
232 cggtctctcc accttaatcc tgtcatcacc ctaggagatt ttagtggcaa tgtagatagt    480
234 tcttcctagc tctgagctca aagtttccca aagggtattt ttctagttat gagagacatt    540
236 aatgggtgta gggatagaga gattaaatga gacctatgat cacataagtt tggaaaatga    600
W--> 238 tgaataagca aagggtaatg tagaagaaga aatttntatt taaaaccaaa gctgatgatg  660
240 tggattccta ataagataag tgagcaacaa cttggagggg gccccaggtg gggagagcaa    720
242 tttttctgcc agacagctca tcactgacaa cccactggca ggacatcctg ttcccaaata    780
244 cctcactcca cacatagccc caacagcaca acctcattct gcacataccc cctccagtac    840
246 aaccctagaa aacttccctc cagtccctgc ctctttgcag acagcccctt ctctgccgtg    900
248 ctgcccattg cctccttgca acatattctc cctgtaatga gcttgctttc tttaactcac    960
250 tactgtcttg gtaaattctt ttaccatctg tgacgccagc cccagccagt tgcacctgca   1020
252 acagatgaca gctacttctg tcttctaagg agggtggaat ggttcacatc gataagaaaa   1080
254 tacgtactcc atggctccat tccacttacg gggactggag tggggaggag aaagtagaaa   1140
W--> 256 ggaaactaac atttctgtgc ttctgcgtct tttctatgtt gatgacctgc angtgcaggg 1200
258 cagacagccc atgtgacctg attgcctaag attttcctgc tgtacacctg ttggccagca   1260
260 aagttattac taggcccact ttcaatccta aaagtgtcat agtttggacg acgtattatg   1320
262 tggttacctg ttaatgaggc tttgaaaatg taaaagtagg ttcaagacca aataaggaga   1380
W--> 264 ggaaagcaaa gttgttttng tacaataaag tgaggagagt tgagttgggg tagggnngga 1440
W--> 266 gggggcnagg ganataaaan gaaagttttg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   1500
W--> 268 nnnnnnnnnn nnnnnnnnnn cngcctaann ncanaaataa gggggnaant ggtaaaaagg   1560
W--> 270 tncnctnnaa aatnngntgg anaatttnaa agggaggntn naantnanag tngaaagtga   1620
W--> 272 ccntnaaaaa aataaacccn nctggaaant tctcagaatc tcaggatggg ccccagagta   1680
274 tctaaagatg ctacagttca agggattgag ccaattgtat ataaatctta atggataggt   1740
```

RAW SEQUENCE LISTING   DATE: 08/25/2006
PATENT APPLICATION: US/10/530,951   TIME: 14:42:24

Input Set : A:\sequence listing ascii.txt
Output Set: N:\CRF4\08252006\J530951.raw

```
276 tgacctcagc ataaaacttg ggtggaaatt ttaaacaggt ttctttattt cagcacttct   1800
278 cagagcactc attgtataag gtactttgtg aatatccaga tagtattctt caaactctct   1860
280 tttatttccc caggggggcat cccataggac aagaagcatt ctttgtgaca ctctgtggga  1920
282 agagctggtt taaagggggta cctgtctggg caacactgtc ccacaggggc ccccatgacc   1980
284 aaactaactc tgcttctacc cagaaagggt gcagagtagc cactagactt ttatgtggca   2040
286 aatgggatgg ttatgcccag cctgaagcca agatgccctt tctggttgcc ttgatttgtg   2100
288 tttaacagct ccaaatgctt aatgaggcag taagagacgt ctctcttggg cagtacttcc   2160
290 caactagggg tgagtttgcc acccttaccc ccatcccagt gaatatttgc aattcctaaa   2220
292 gacgtgtttt gattgtcaca cctgggtggg gaacatgcta ctggcatcta atgcatagag   2280
294 ggcagtaatg ctgctaaaca tctttcaacg cacagggaca gagccccaca aaaaagaatt   2340
296 atctaggccc caaatgtcca taacactgct gttgagaaaa acctaccgca ggatcttact   2400
298 gggcttcata ggtaagcttg cctttgttct ggcttctgta gatatataaa ataaagacac   2460
300 tgcccagtcc ctccctcaac gtcccgagcc agggctcaag gcaattccaa taacagtaga   2520
302 atgaacacta aatattgatt tcaaaatctc agcaactaga agaatgacca accatcctgg   2580
304 ttggcctggg actgtcctag ttttagcatt gaaagtttca ggttccagga aagccctcag   2640
306 gcctgggctg ctggtcaccc tagcagctga gggactcttc aatacagaat tagtctttgt   2700
308 gcactggaga tgaatatact ttaatttgta acatgtgaaa acatctataa acatctactg   2760
310 aagcctgttc tgtctgcacc gacattttca ttgagtacgg attcttccta ccagatacag   2820
312 ctgctctaca actttcgagg gctggtataa aactagcttt tacctatttt taaaaattac   2880
314 atgaatagta aaaacttgga ttaacccagt attcgggtat tttcaatctt ccttgggagc   2940
316 ttagaggacg gacaaataaa aagattattt caacatcaaa aaaaaaaaa aa             2992
319 <210> SEQ ID NO: 3
320 <211> LENGTH: 477
321 <212> TYPE: DNA
322 <213> ORGANISM: Homo sapiens
324 <400> SEQUENCE: 3
325 ttttaaaagt tgtcataatg caaattttat tttgattagt ttttgtgact cctttatctt   60
327 aaacccagcg atgcttgcca cttcccaagg tgtaaaaatg tgaagattaa ggtaaactga  120
329 atgtcgagga gtgtaaagag atggcaaaac acagataaaa acatccaaaa agcctctggg  180
331 ggcaggtcaa gcttatgatt caacagttag aaaaccaaaa ttacttggac atcccttct    240
333 acttaaagtg atatactgga attgaaaata ttaactgtta gtttttagaaa ctaagattac  300
335 ttgaagtagg ctcattccag aatgcttttc tttttttcctt cctgaaacaa ttacatcaaa  360
337 cttagatatc ctaatgttta tttttagata tactccttaa aggcatttat gttcacccta  420
339 ttcgaggatg agaaatttac attaactaat aaacttaaca ttgatcttaa gaactgg      477
342 <210> SEQ ID NO: 4
343 <211> LENGTH: 340
344 <212> TYPE: DNA
345 <213> ORGANISM: Homo sapiens
347 <400> SEQUENCE: 4
348 tttttttttt tttttttttc aggattccaa attttatttt ttaaaaaatt gaaaaaacac   60
350 acccaggaca acatttcttt gatcaataaa ctttcaggaa atggaggaag ctgttttggg  120
352 acacattcaa agctagttaa cttgaacttg gaaatagggt tttgacaatc caactatggg  180
354 aaacaaatct ctgaacaaat tttaaatgaa acctcacccc cccaaactgt tcaagtggca  240
356 gacaaaataa attaccataa attatatgcc aacacacctt ttaaaaaaca acaacagcaa  300
358 caacaaaac ccaggagtct gaggatttcc ttagctcctc                          340
361 <210> SEQ ID NO: 5
362 <211> LENGTH: 1121
363 <212> TYPE: DNA
364 <213> ORGANISM: Homo sapiens
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/25/2006
PATENT APPLICATION: US/10/530,951   TIME: 14:42:25

Input Set : A:\sequence listing ascii.txt
Output Set: N:\CRF4\08252006\J530951.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 637,1192,1399,1436,1437,1447,1453,1460,1471,1472,1473,1474
Seq#:2; N Pos. 1475,1476,1477,1478,1479,1480,1481,1482,1483,1484,1485,1486
Seq#:2; N Pos. 1487,1488,1489,1490,1491,1492,1493,1494,1495,1496,1497,1498
Seq#:2; N Pos. 1499,1500,1501,1502,1503,1504,1505,1506,1507,1508,1509,1510
Seq#:2; N Pos. 1511,1512,1513,1514,1515,1516,1517,1518,1519,1520,1522,1529
Seq#:2; N Pos. 1530,1531,1534,1546,1549,1562,1564,1567,1568,1574,1575,1577
Seq#:2; N Pos. 1582,1588,1598,1600,1601,1604,1606,1608,1612,1623,1625,1640
Seq#:2; N Pos. 1641,1645
Seq#:8; N Pos. 319
Seq#:12; N Pos. 434
Seq#:13; N Pos. 238
Seq#:17; N Pos. 444,447,499
Seq#:24; N Pos. 233
Seq#:25; N Pos. 387,395,398,439,460,463

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:35,36,47,48,49,50,51,52

VERIFICATION SUMMARY   DATE: 08/25/2006
PATENT APPLICATION: US/10/530,951   TIME: 14:42:25

Input Set : **A:\sequence listing ascii.txt**
Output Set: **N:\CRF4\08252006\J530951.raw**

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:600
L:256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1140
L:264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1380
L:266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1440
L:268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1500
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1560
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1620
L:510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:300
L:712 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:420
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:180
L:897 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:420
L:899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:480
L:1376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:180
L:1411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:360
L:1413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:420